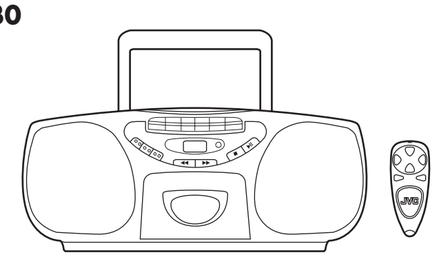
JVC

CD PORTABLE SYSTEM

RC-BX30



For Customer Use :
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the player. Retain this information for future reference.

Model No.

Serial No.

LVT0533-011A [UJ]

COMPACT DISC DIGITAL AUDIO

INSTRUCTIONS

CAUTION!
THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CLASS 1
LASER PRODUCT

1. CLASS 1 LASER PRODUCT
2. **DANGER**: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**VARNING:** Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL: Usynlig laser-stråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)	**VARO:** Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

WARNING LABEL, PLACED INSIDE THE UNIT

PRECAUTIONS

- **Never open the cabinet under any circumstances.** Never operate this product with the cabinet removed. Any repairs of internal adjustments should be made only by a trained service technician.
- **Do not touch the player with wet hands.** If any liquid enters the player cabinet, take the player to a trained service technician for inspection.
- **This Compact Disc Player uses a laser to read the music on the disc.** The laser mechanism corresponds to the cartridge and stylus of a traditional record player. Although this product incorporates a laser pick-up lens, it is completely safe when operated according to directions.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
THE LIGHTNING FLASH AND ARROW HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.
SEE MARKING ON BOTTOM/BACK OF PRODUCT.		

SPECIFICATIONS

Amplifier	:	Output Power	2 W/CH (at 10 % THD)
		Speaker Impedance	4 ohm (8.5 cm x 2)
CD	:	Sampling Frequency	44.1 kHz
		D/A Converter	16 bit linear
		Beam Source	Semiconductor laser (wavelength 780 mm)
		Frequency Response	125 Hz - 10 kHz (+/- 6 dB)
		Dynamic Range	70 dB (min)
		Harmonic Distortion	1.5 % (max)
		Channel Separation	40 dB (min)
		Signal Noise	50 dB (min)
Radio	:	Tuning Range	FM 88 MHz - 108 MHz, MW 530 kHz - 1600 kHz, SW 6 MHz-17 MHz
		Antenna	FM/SW Rod Antenna, MW Ferrite Bar Antenna
Cassette	:	Tape Speed	4.75 cm/sec
		Wow & Flutter	0.35 % WTD
		Recording System	AC Bias
		Erase System	Magnetic Erase
		S/N	35 dB (min)
		Track System	4 track, 2 channel, stereo
		Monitor System	Variable sound monitor
		Frequency Range (Normal)	125 Hz - 6300 Hz
General	:	Power Supply	110V-127V/220V-230V, 50 Hz/60 Hz DC 9 V, "D" size (13A/LR20) or equivalent size battery x 6
		Power Consumption	15 W, 3 W (Standby)
		Unit Dimension	403(W) x 169(H) x 237(D) mm
		Mass	3.3 kg (without batteries)

JVC
VICTOR COMPANY OF JAPAN, LIMITED

EN

Printed in China
0602NNMCREORI

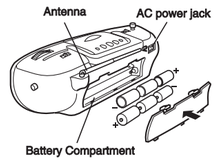
FIRST THINGS

POWERING UP

This portable system operates on battery or AC power.

BATTERY POWER

Insert 6 D-sized (13A/LR20) alkaline batteries (not supplied) and you can take your stereo just about anywhere. Open the battery compartment door on the back of the unit by pressing down on the two tabs and pulling out the cover. Insert batteries as shown on the back of the unit.



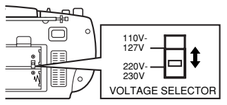
Important Battery Information

- If you're not going to use your player for a month or more, be sure to remove batteries because they can leak and cause damage.
- Dispose of batteries in the proper manner, according to federal, state, and local regula-tions.
- Any battery may leak electrolyte if mixed with a different battery type. If inserted incorrectly, if all batteries are not replaced at the same time, if disposed of in fire, or if an attempt is made to charge a battery not intended to be recharged.
- Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury.

AC POWER

Setting the VOLTAGE SELECTOR

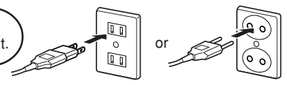
To avoid damaging the system, select the voltage range before plugging in the system. Open the battery compartment cover on the back of the unit by pressing down the two tabs and pulling out the cover. Select the voltage range for your area with the VOLTAGE SELECTOR inside the battery compartment by using a screwdriver or similar.



Connecting the AC Power Cord

Plug the power supply cord into the AC power jack on the back of the unit, and into an AC power outlet.

Can't find the AC power cord? Look in the battery compartment on the back of the unit.



ANTENNAS

The AM antenna is built in, so adjusting the position of the unit may help AM (MW) reception. The FM whip antenna on the back of the unit can be extended and rotated for better FM reception.

GENERAL CONTROLS

FUNCTION Switch-Move the switch to select which part of the portable stereo you want to select - RADIO, TAPE or CD.
VOLUME – Turn the volume knob to increase or decrease volume to desired level.
S-BASS – Turn on S-BASS by pressing button down for enhanced bass effect. Turn off S-BASS (up position) for normal bass sound.
POWER OFF (standby) – Move the FUNCTION switch to ⏻ TAPE position with no cassette button pressed, to turn unit off.

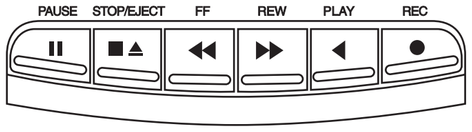
USING THE RADIO

TUNING IN RADIO STATIONS

Move the FUNCTION switch to RADIO to turn the radio on.

- Set BAND to FM, SW or MW.
- Tune in desired station by turning the TUNING wheel knob.
  In SW reception, you can finely tune in desired station by turning the FINE TUNE knob on the right side of the unit.
- To turn off the radio, move FUNCTION switch to ⏻ TAPE.

USING THE TAPE PLAYER



REC ● – Press to record from the radio or CD player.
PLAY ◀ – Press to play cassettes.
REW ▶▶ – From stop mode, press to rewind the tape toward the beginning.
FF ◀◀ – From stop mode, press to advance the tape toward the end.
STOP/EJECT ■⏏ – Press to stop current tape activity, or to open the cassette compartment door when no buttons are active.
PAUSE ⏸ – Press to interrupt tape play or record mode. Press a second time to resume tape play or tape record mode.

PLAYING A CASSETTE TAPE

1. Move the FUNCTION switch to ⏻ TAPE.
2. Press STOP/EJECT to open the cassette compartment door.
3. Insert cassette tape into the compartment with the open edge facing up and the full reel on the right.
4. Close the door securely.
5. Press REW or FF to move tape to the desired starting point.
6. Press PLAY to begin playing the tape. The cassette tape plays until it reaches the end of the side, then it automatically stops.

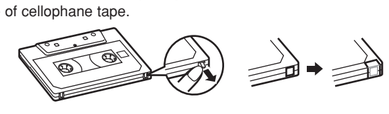
RECORDING ON CASSETTE TAPES

You can record from the radio or the CD player.
For best recording, use normal bias tape.

- It may be unlawful to record or playback copyrighted material without the consent of the copyright owner.

ERASE PROTECTION

When you record new material, the cassette deck records over whatever is on a tape. To protect a tape from accidental erasure, break off one or both plastic tabs (one for each tape side) on the top of the cassette tape. If you decide later to record on the tape, seal the hole with a piece of cellophane tape.



WARNING
A little bit of slack in your tapes can cause scratches on the tape, or worse yet, the tape could break. If you notice some slack in the tape use a pencil to tighten it up before you insert in.

RECORDING FROM THE RADIO

1. Insert a cassette tape into the tape deck and close door.
2. Move the FUNCTION switch to RADIO and select a radio station.
3. Press REC to begin recording. REC and PLAY lock down.
4. Press STOP/EJECT to end recording.
5. To turn off radio, slide FUNCTION switch to ⏻ TAPE.

RADIO RECORDING TIPS

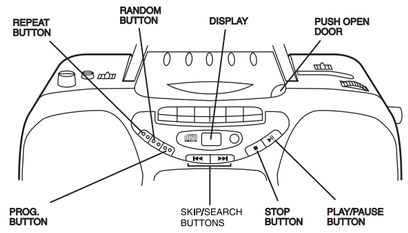
- To temporarily pause the recording, press PAUSE on the cassette deck. Press Pause again to resume recording.

RECORDING FROM CDs

1. Insert a cassette tape into the tape deck and close the door.
2. Press REC and PAUSE at the same time.
3. Move the FUNCTION switch to CD.
4. Insert the CD you want to record into CD compartment.
5. You can begin recording at track 1 – or press SKIP/SEARCH ⏮ or ⏭ to choose the track you want to record – press the PLAY/PAUSE button, then immediately release the PAUSE button on the tape deck.

TIP
Using the PAUSE ⏸ button on the cassette deck instead of the STOP/EJECT button to momentarily interrupt recording gives you a much cleaner sounding recording.

USING THE CD PLAYER



LOADING A CD

1. Move the FUNCTION switch to CD; "-" appears in the display if no CD is loaded.
2. Press CD OPEN ⏏ to open the CD door.
3. Place a CD into the tray with the label facing up.
4. Close the CD door. "-" flashes in the CD display, then the total number of tracks appears.
5. To remove the CD, press CD OPEN ⏏, grasp the CD by its edges, and carefully pull it out.

PLAYING A CD

1. Press ▶/⏸ (PLAY/PAUSE) to play all the tracks in order starting with Track 1. The current track number appears in the display.
   Note: Press ▶/⏸ (PLAY/PAUSE) to temporarily stop the CD. Pause TNO flashes in the display. Press ▶/⏸ (PLAY/PAUSE) again to resume playing the CD.
2. Adjust VOLUME to a comfortable level.
3. Press STOP ■ to stop playing the CD before all tracks have played. Wait a few seconds for the CD to stop turning, then press CD OPEN ⏏ to open the CD compartment door and remove the CD.

AUTOMATIC SEARCH

Automatic search lets you quickly locate the beginning of any track on the CD, including the track currently playing.
If the CD is playing:

- Press SKIP/SEARCH ⏮ to return to the beginning of the previous track.
- Press SKIP/SEARCH ⏭ to skip to the beginning of the next track.

If the CD is stopped, repeatedly press SKIP/SEARCH ⏭ or SKIP/SEARCH ⏮ until the display shows the number of the track you want to play, then press ▶/⏸ (PLAY/PAUSE). The CD player starts playing the selected track.

TRACK SEARCH

- In PLAY or PAUSE mode, press and hold SKIP/SEARCH ⏭ to move forward through a track at high speed.
- In PLAY or PAUSE mode, press and hold SKIP/SEARCH ⏮ to move backward through a track at high speed.

RANDOM

Press this button and the tracks of a CD will be played in random order. If RANDOM is pressed during stop ode it will start play in RANDOM mode. The LCD will light the RANDOM segment of the display. The RANDOM mode can be switched off by pressing the RANDOM or STOP key. It will also be switched off by opening the flap. If pressing this key during program play mode, there is no reaction. This function is not available.

REPEAT

The REPEAT button allows you to repeat one track or all tracks. To scroll through the choices, continually press and release the REPEAT button and check the display to see which choice you've selected. The following chart illustrates how REPEAT works in various modes.

Play Mode:	Repeat 1 replays current track	Repeat all replays entire CD
Random Mode:	Repeat 1 replays current track	Repeat all replays entire CD
Program Mode:	Repeat 1 replays current track	Repeat all replays the program

PROGRAMMING

Pressing the PROG. Key in the stop mode will enter into program create mode. The program symbol will be displayed and a flashing track 1.
With SKIP/SEARCH keys, another flashing track number can be selected. Through the second press of the PROG key, the selected track number (flashing) will be stored to program place.
For 1 second, the program place is displayed continuously, then again the selected track is flashing. The next press of the PROG key will store program place 2.
To finish program create mode, press STOP key and it will enter into stop mode. Up to 20 tracks can be stored, then it will enter to stop mode automatically.
Pressing PLAY key will lead to normal play mode, the PROG symbol in the display indicates that there is a program existing.
You can enter program play mode by pressing STOP, PROG, and PLAY. A flashing PROG symbol will then flash to indicate your selection of the mode.

TIP

When playing a CD-R or CD-RW
User-edited CD-Rs (Recordable) and CD-RWs (Rewritable) can be played back only if they are already "final-ized."

- You can play back your original CD-Rs or CD-RWs recorded in music CD format. (However, they may not be played back depending on their characteristics or recording conditions.)
- Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.
- CD-RWs may require a longer readout time. (This is cause by the fact that the reflectance of CD-RWs is lower than for regular CDs.)

CARE AND MAINTENANCE

CLEANING THE EXTERIOR

- Disconnect the system from AC power before cleaning the exterior of the unit with a soft dust cloth.

HANDLING CDs

- Do not touch the signal surfaces. Hold by the edges, or by one edge and the hole.
- Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.
- Discs rotate at high speeds inside the player. Do not use damaged (cracked or warped) discs.

CLEANING CDs

- Dirty discs can cause poor sound quality. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes dirty, wet a soft cloth in water, wring it out well, wipe the dirt away gently, and then remove any water drops with a dry cloth.
- Do not use record cleaning sprays or antistatic agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

TAPE CARE

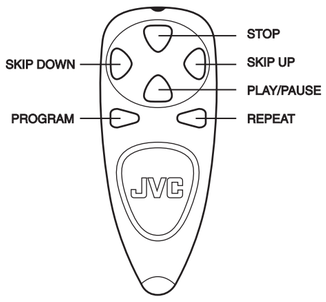
- Don't expose tapes to sunlight or store in hot places. High temperatures may warp the shell or damage the tape itself.
- Keep cassettes in their boxes when not in use.
- Cassette tapes can be erased by magnetic fields produced by magnets, electric motors, electrical transformers, and other devices. Keep tapes away from magnets and magnetic fields.

CLEANING THE TAPE HEADS

Iron oxide particles from the magnetic tape can build up on the parts that come in contact with the tape. These deposits can cause incomplete erasure, muffled playback sound, and might prevent automatic stop.
To clean a cassette deck, open the compartment door, push the PLAY button and gently clean the heads, capstan, and pinch wheel with a head cleaner.
Always unplug the power cord before cleaning, and allow 30 minutes drying time when using a liquid cleaner.
Clean heads after every 25 hours of use.

- Demagnetize the head occasionally with a head demagnetizing cassette (available from many audio equipment stores).
- Never use any metal objects on or near the tape heads.
- Do not allow any cleaning material to fall into the tape assembly.

REMOTE FUNCTIONS



TROUBLESHOOTING TIPS

Problem	Solution
System doesn't turn on.	• Make sure power cord is securely plugged into the AC power outlet (or that the batteries are fresh). • Unplug the unit for a moment, and then plug it back in. • Check the outlet by plugging in another device.
No sound	• Adjust volume setting. • Make sure you've selected the correct function: CD, ⏻ TAPE, or, RADIOs.
Poor radio reception	• Adjust the FM whip antenna for better FM reception. • Adjust the FINE TUNE knob. • Rotate the unit to achieve better AM reception. • Try turning off electrical appliances near the unit, such as hair dryers, vacuum cleaners, or fluorrescent lights.
CD doesn't play	• Make sure the tray contains a CD. • Make sure the CD's label is facing up. • Make sure that Pause mode is not activated. • Make sure CD function is selected.
Distorted or noisy recordings	• Inspect the recording head and clean it if necessary. • Demagnetize recording head (as explained in "Care and Maintenance").